PROVIDING REAL-TIME CONTROL DATA
FOR A NETWORK PROCESSOR

5   Abstract of the Disclosure

A multiprocessor includes a module configured to
collect status data, one or more processing engines, and a
push engine. Part of the status data is collected from
devices connected to a bus and indicates readiness of the
10   devices to participate in data transfers over the bus. The
processing engines schedule transfers of data packets
between the processor and the devices. The push engine
performs unsolicited transfers of a portion of the status
data to the processing engines in response to the module
15   collecting new status data.

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